

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090203

Mode: Highway

Status: Submitted

US-70

From/Cross Street: SR 3056 in Guilford County

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1309 in Alamance

Project Category: Regional Impact

Length: 5.48

TIP#: R-2910

Fully Funded in Draft STIP? No

Cost to NCDOT: \$39,375,000

Description:

Widen to Multi-Lanes

Division(s): Division 7

County(s): GUILFORD, ALAMANCE

MPOS(s)/RPO(s): Burlington Graham MPO, Greensboro Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 33.23

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 44.18 Safety (10%) 59.19 [Travel Time] Benefit/Cost (25%) 0.68 Accessibility / Connectivity (10%) 11.02	Percent: 15% Points: 0	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 18.23		

Division Needs Total Score: 14.89

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 44.18 Safety (10%) 59.19 [Travel Time] Benefit/Cost (20%) 0.68	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 14.89		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	5.48
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	10524.38
Capacity:	15800.1
Volume/Capacity Ratio:	0.67
% Autos:	97%
% Trucks:	3%
Truck Volume:	295.48
Crash Density:	61.4
Crash Severity:	61.87
Critical Crash Rate:	54.31
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	92
Actual Congested Speed:	41.36
Travel Time Index:	1.21

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	50
Length (miles):	5.48
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Major Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	1198992.38
Travel Time Savings for 30 Years (Autos):	1165330.04
Travel Time Savings for 30 Years (Trucks):	33662.34
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 7

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 7	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Burlington Graham MPO	88%	88	0
Greensboro Urban Area MPO	12%	12	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$18,900,000	TIP Unit
Right-of-Way Cost:	\$19,000,000	TIP Unit
Utilities Cost:	\$1,475,000	TIP Unit
Total Project Cost:	\$39,375,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$39,375,000	